

## EPAuto ST-10E-1

# EPAuto 3/4-Inch Torque Wrench Instruction Manual

Brand: EPAuto | Model: ST-10E-1

### 1. INTRODUCTION AND OVERVIEW

Thank you for choosing the EPAuto 3/4-Inch Torque Wrench. This precision tool is designed to provide accurate and consistent torque application, crucial for proper fastening and preventing damage to components. It features a wide torque range of 25 to 300 ft./lb. (33.9 to 406.8 N/m), making it suitable for heavy-duty applications such as automotive, truck, and industrial maintenance.

Proper use and maintenance of this torque wrench will ensure its longevity and continued accuracy. Please read this manual thoroughly before operation.

### 2. SAFETY INFORMATION

**WARNING:** Always wear appropriate eye protection when using any tools. Failure to do so may result in serious injury.

- Do not use the torque wrench as a breaker bar.
- Do not exceed the maximum torque setting of 300 ft./lb. (406.8 N/m).
- Keep the tool clean and free from grease or oil to maintain a secure grip.
- Store the torque wrench in its protective case when not in use.
- Avoid dropping the tool, as this can affect its calibration and accuracy.

### 3. PRODUCT FEATURES

- **Durable Ratchet Head:** Constructed from hardened, heat-treated Chromium Vanadium Steel Alloy (Cr-V) with a corrosion-resistant Satin finish for long-lasting performance.
- **High Quality & Accuracy:** Manufactured in Taiwan and pre-calibrated to an accuracy of  $\pm 4\%$ . Features a high-contrast, dual-range scale in both foot-pounds (ft/lbs) and Newton-meters (N/m), laser engraved for clear readability.

and durability.

- **Reliability:** Designed with a knurled handle for a non-slip grip, ensuring secure handling during operation. Comes with a sturdy plastic storage case that includes a convenient conversion table engraved inside the lid.
- **Heavy Duty Design:** Weighing 6.4 lbs (2.92 kg) and measuring 25.25 inches (64 cm) in length, this torque wrench provides the necessary power and leverage for high torque requirements.
- **Simple and Reliable Operation:** A distinct "click" sound and haptic (tactile) response indicate that the preset torque value has been reached. Stop applying force immediately upon hearing and feeling the click.

## 4. SETUP

### 4.1 Unpacking

Carefully remove the torque wrench and any accessories from its protective plastic case. Inspect the tool for any signs of damage during shipping. Keep the calibration certificate for future reference.



This image displays the EPAuto 3/4-inch drive torque wrench alongside its durable storage case and the included calibration certificate, highlighting its professional presentation.

## 4.2 Components

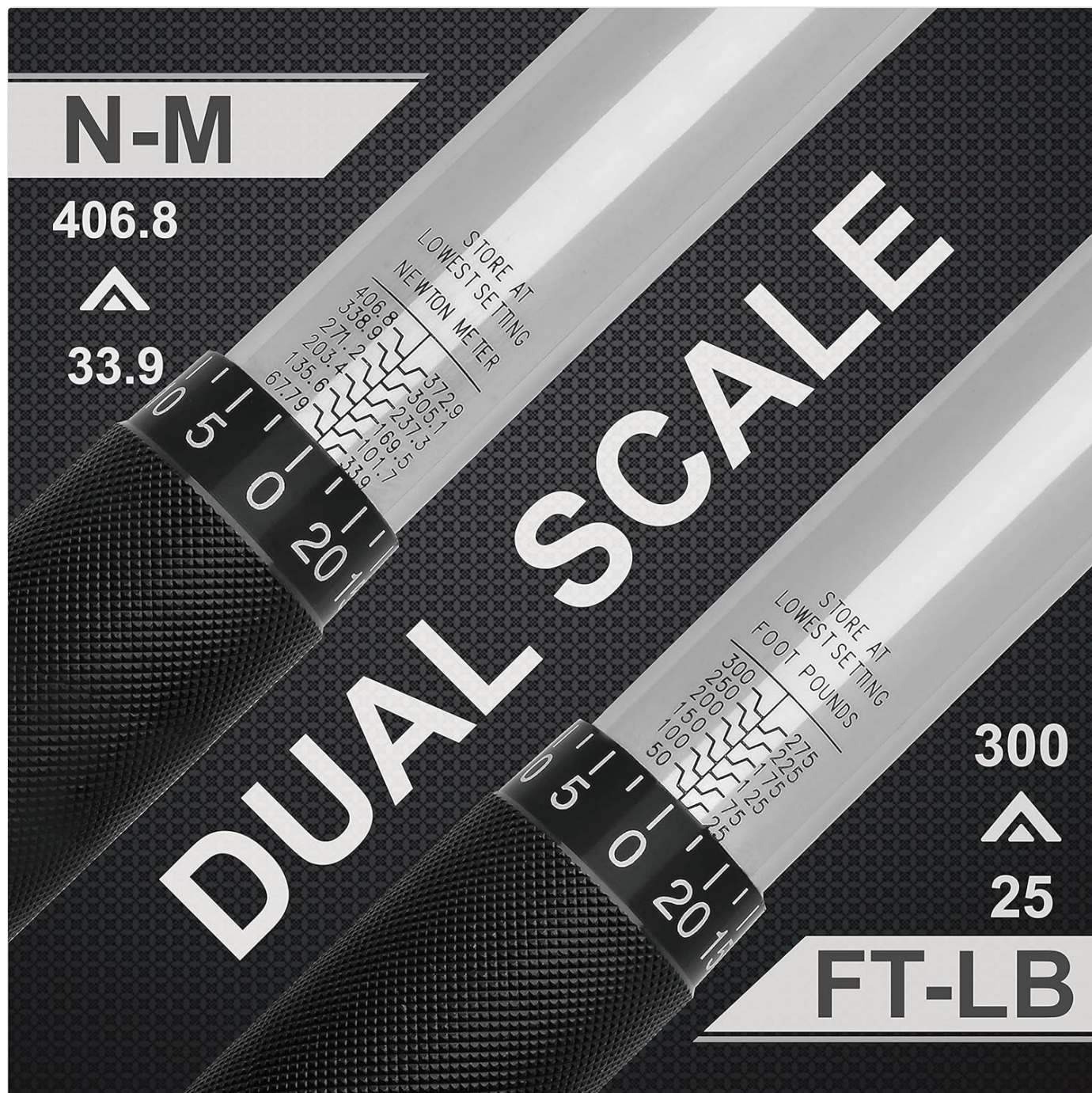
Your EPAuto Torque Wrench package includes:

- 1 x EPAuto 3/4-Inch Drive Click Torque Wrench
- 1 x Durable Hard Plastic Storage Case
- 1 x Calibration Certificate

## 5. OPERATING INSTRUCTIONS

### 5.1 Setting the Torque Value

1. Locate the knurled handle and the locking knob at the bottom of the handle.
2. To unlock, pull down the locking knob and rotate it counter-clockwise until it is loose.
3. Rotate the handle to align the desired torque value on the main scale (ft./lb. or N/m) with the zero mark on the micrometer scale.
4. For fine adjustments, continue rotating the handle until the desired increment on the micrometer scale aligns with the main scale line.
5. Once the desired torque is set, push the locking knob back up and rotate it clockwise to secure the setting.



A detailed view of the torque wrench's handle, showing the laser-engraved dual scale for both foot-pounds and Newton-meters, allowing for precise torque adjustments.

## 5.2 Using the Wrench

1. Attach the appropriate socket or adapter to the 3/4-inch drive head.
2. Place the socket onto the fastener you wish to tighten.
3. Apply a slow, steady, and continuous pull to the handle. Do not jerk or apply sudden force.

4. Continue applying force until you hear and feel a distinct "click" from the wrench. This indicates that the preset torque has been reached.
5. Immediately stop applying force and remove the wrench from the fastener. Do not continue to turn the wrench after the click.



An individual demonstrates the proper use of the torque wrench to tighten a lug nut on a vehicle's wheel, illustrating its application in automotive maintenance.

## 6. MAINTENANCE

### 6.1 Cleaning

After each use, wipe the torque wrench clean with a dry, lint-free cloth. Do not use solvents or harsh chemicals, as these can damage the finish or internal components.

## 6.2 Storage

Always store the torque wrench in its original protective case. Before storing, set the torque value to the lowest setting (25 ft./lb. or 33.9 N/m) to relieve tension on the internal spring mechanism. This helps maintain the wrench's accuracy over time.



The torque wrench is shown nestled within its robust, custom-molded plastic case, emphasizing secure storage and protection when not in use.

## 6.3 Calibration

While the wrench is pre-calibrated, regular calibration checks are recommended, especially after heavy use or if the tool has been dropped. Consult a professional calibration service for accurate recalibration.

## 7. TROUBLESHOOTING

- **Wrench not clicking:** Ensure the torque setting is above the minimum range. Verify that the locking knob is properly secured after setting the torque.
- **Inaccurate readings:** The wrench may require recalibration. Avoid using the wrench as a breaker bar or dropping it, as this can affect accuracy.
- **Difficulty adjusting torque:** Ensure the locking knob is fully disengaged. Clean the handle and internal mechanism.

if there is any debris preventing smooth adjustment.

8. SPECIFICATIONS

| Specification | Value                           |
|---------------|---------------------------------|
| Brand         | EPAuto                          |
| Model Number  | ST-10E-1                        |
| Drive Size    | 3/4 Inch Drive                  |
| Torque Range  | 25~300 ft./lb. (33.9~406.8 N/m) |
| Accuracy      | ±4%                             |
| Material      | Chrome Vanadium Steel           |
| Finish Type   | Satin Finish                    |
| Item Length   | 25.25 Inches (64 cm)            |
| Item Weight   | 6.42 pounds (2.92 kg)           |

9. WARRANTY & SUPPORT

EPAuto products are manufactured to high-quality standards. For warranty information or technical support, please refer to the documentation included with your purchase or visit the official EPAuto website. Keep your proof of purchase for any warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

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